

UDOT Minimum Sampling and Testing Requirement

Revised: May 2006

02786 Open Graded Surface Course

02786

Standard Specification

Related Items: N/A

Type of Construction: Aggregate Source

Submittals:

Quality Assurance: Submit adequate sample of aggregate from each source (use form T-268)

Assurance Frequency: N/A

Point of Acceptance: N/A

Out of Spec Action: N/A

Documentation/Report:

Type of Construction: Aggregate Source

Submittals:

Quality Assurance: AASHTO T-19 Unit Weight *

Assurance Frequency: 1 per source

Point of Acceptance: Stockpile or pit

Out of Spec Action: Contractor must select another materials source

Documentation/Report:

Type of Construction: Aggregate Source

Submittals:

Quality Assurance: AASHTO T-104 Soundness of Aggregate by use of Sodium Sulfate*

Assurance Frequency: 1 per source

Point of Acceptance: Stockpile or pit

Out of Spec Action: Contractor must select another materials source

Documentation/Report:

*Performed or approved by Region Lab **Performed by Contractor and reviewed by Engineer

Printed 6/2/2006

Related Items: N/A

Type of Construction: Aggregate Source

Submittals:

Quality Assurance: AASHTO T-96 L.A. Wear*

Assurance Frequency: 1 per source

Point of Acceptance: Stockpile or pit

Out of Spec Action: Contractor must select another materials source

Documentation/Report:

Type of Construction: Aggregate Source

Submittals:

Quality Assurance: AASHTO T-112 clay lumps and friable particles*

Assurance Frequency: 1 per source

Point of Acceptance: Stockpile or pit

Out of Spec Action: Contractor must select another materials source

Documentation/Report:

Type of Construction: Aggregate Source

Submittals:

Quality Assurance: AASHTO T-278 and T-279 polish test*

Assurance Frequency: 1 per project as required by the test method

Point of Acceptance: Stockpile or pit

Out of Spec Action: Contractor must select another materials source

Documentation/Report:

Type of Construction: Aggregate properties

Submittals:

Quality Assurance: Sample in accordance with AASHTO T-2

Assurance Frequency: N/A

Point of Acceptance: N/A

Out of Spec Action: N/A

Documentation/Report:

*Performed or approved by Region Lab **Performed by Contractor and reviewed by Engineer

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Related Items: N/A**Type of Construction:** Aggregate properties**Submittals:****Quality Assurance:** ASTM D-5821 Fract-face. (One and two fract-face)****Assurance Frequency:** 1 test per week**Point of Acceptance:** Stockpile**Out of Spec Action:** Reject Stockpile**Documentation/Report:****Type of Construction:** Aggregate properties**Submittals:****Quality Assurance:** AASHTO T-89 , T-90, liquid limit and plasticity index ****Assurance Frequency:** Initial**Point of Acceptance:** Stockpile**Out of Spec Action:** Reject Stockpile**Documentation/Report:****Type of Construction:** Aggregate properties**Submittals:****Quality Assurance:** AASHTO T-304 Fine aggregate angularity****Assurance Frequency:** Initial**Point of Acceptance:** Stockpile**Out of Spec Action:** Reject Stockpile**Documentation/Report:****Type of Construction:** Aggregate properties**Submittals:****Quality Assurance:** UDOT Materials Manual of Instruction 933 Flakiness Index 23% max.****Assurance Frequency:** Initial**Point of Acceptance:** Stockpile**Out of Spec Action:** Reject Stockpile**Documentation/Report:**

Related Items: N/A

Type of Construction: Aggregate properties**Submittals:****Quality Assurance:** AASHTO T-176 Sand equivalent ****Assurance Frequency:** Initial**Point of Acceptance:** Stockpile**Out of Spec Action:** Reject Stockpile**Documentation/Report:**

Type of Construction: Job mix design**Submittals:****Quality Assurance:** AC - Aggregate mix design UDOT 8-954**Assurance Frequency:** Once per project. (10 working days before beginning to pave).
Also when AC source and aggregate gradation and source change.**Point of Acceptance:** Verified mix design prior to paving**Out of Spec Action:** New job mix design**Documentation/Report:**

Type of Construction:**Submittals:****Quality Assurance:** AASHTO T-11, T-27, T-30 Aggregate gradation**Assurance Frequency:** Once per project (10 working days before beginning to pave).
Also when aggregate source and/or gradation change**Point of Acceptance:** Verified mix design prior to paving**Out of Spec Action:** New job mix design**Documentation/Report:**

Related Items: N/A

Type of Construction:**Submittals:****Quality Assurance:** AASHTO T-168 and ASTM D-3665 sampling and hot mix asphalt random sampling**Assurance Frequency:** 4 per lot**Point of Acceptance:** Hot plant**Out of Spec Action:** N/A**Documentation/Report:**

Type of Construction:**Submittals:****Quality Assurance:** AASHTO T-145 degree of particle coating**Assurance Frequency:** Initial**Point of Acceptance:** Hot plant**Out of Spec Action:** Modify production to meet coating requirements**Documentation/Report:**

Type of Construction:**Submittals:****Quality Assurance:** ASTM D-6307 Asphalt content of hot mix asphalt by ignition method
(For aggregate gradation)**Assurance Frequency:** 4 per lot**Point of Acceptance:** Hot plant**Out of Spec Action:** N/A**Documentation/Report:**

Related Items: N/A

Type of Construction:**Submittals:****Quality Assurance:** AASHTO T-30 Mechanical analysis of extracted aggregate**Assurance Frequency:** 4 per lot**Point of Acceptance:** Hot plant**Out of Spec Action:** Bonus/Deduction/Rejection**Documentation/Report:**

Type of Construction:**Submittals:****Quality Assurance:** ASTM E 1274 Pavement roughness using profilograph**Assurance Frequency:** Two per lane each on wheel path within 2 days of placement**Point of Acceptance:** Project site**Out of Spec Action:** Bonus/Deduction/Rejection**Documentation/Report:**